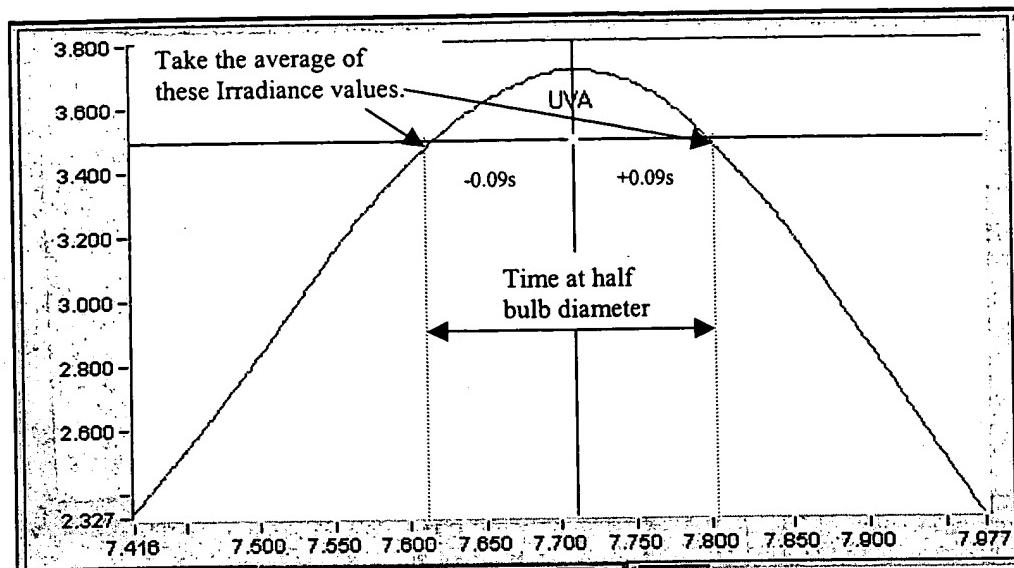


mW
 cm^2



sec.

FIG. 1

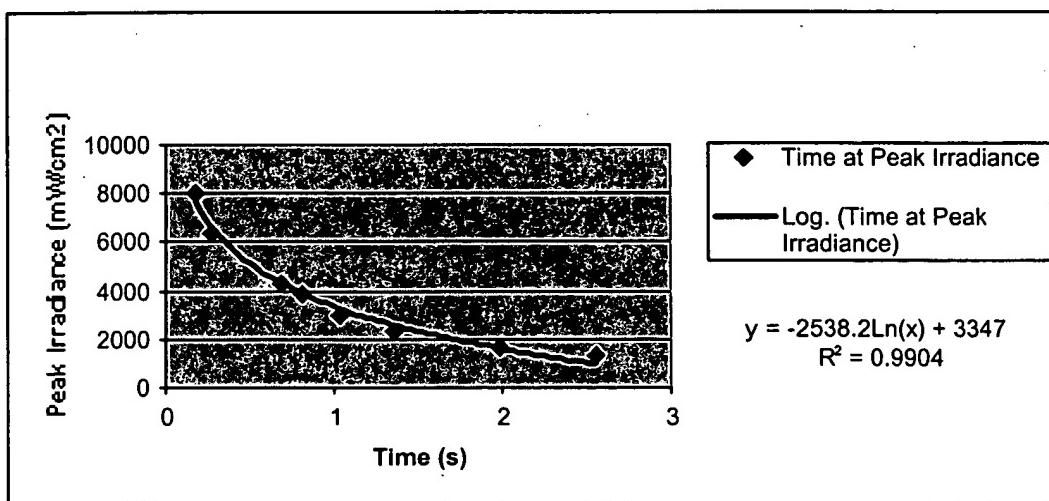


FIG. 2

Focal Height(mm)	Paper Finish	Crock Test 1lb/sq.in.	Eraser Test 1lb/sq.in.	Eraser Test 1lb/sq.in. plus 200g	Finger nail scratch	Double fold chip and crack	Double fold, weighted	Smear	Sutherland Rub Tester, 4lb weight
0	Dull	4	4	4	2	3	Pass	4	4
	Gloss	4	4	4	2	3	Pass	4	4
	Uncoated	4	4	4	4	4	Pass	4	4
10	Dull	4	4	4	2	3	Pass	4	4
	Gloss	4	4	4	2	3	Pass	4	4
	Uncoated	4	4	4	4	4	Pass	4	4
19	Dull	4	4	4	2	3	Pass	4	4
	Gloss	4	4	4	2	3	Pass	4	4
	Uncoated	4	4	4	4	4	Pass	4	4
26	Dull	4	4	4	2	3	Pass	4	4
	Gloss	4	4	4	2	3	Pass	4	4
	Uncoated	4	4	4	4	4	Pass	4	4
52	Dull	4	4	4	2	3	Pass	4	4
	Gloss	4	4	4	2	3	Pass	4	4
	Uncoated	4	4	4	4	4	Pass	4	4
62	Dull	4	4	4	1	2	Pass	4	4
	Gloss	4	4	4	1	3	Pass	4	4
	Uncoated	4	4	4	4	4	Pass	4	4
72	Dull	4	4	4	1	2	Pass	4	4
	Gloss	4	4	4	1	3	Pass	4	4
	Uncoated	4	4	4	4	4	Pass	4	4

Fig. 3

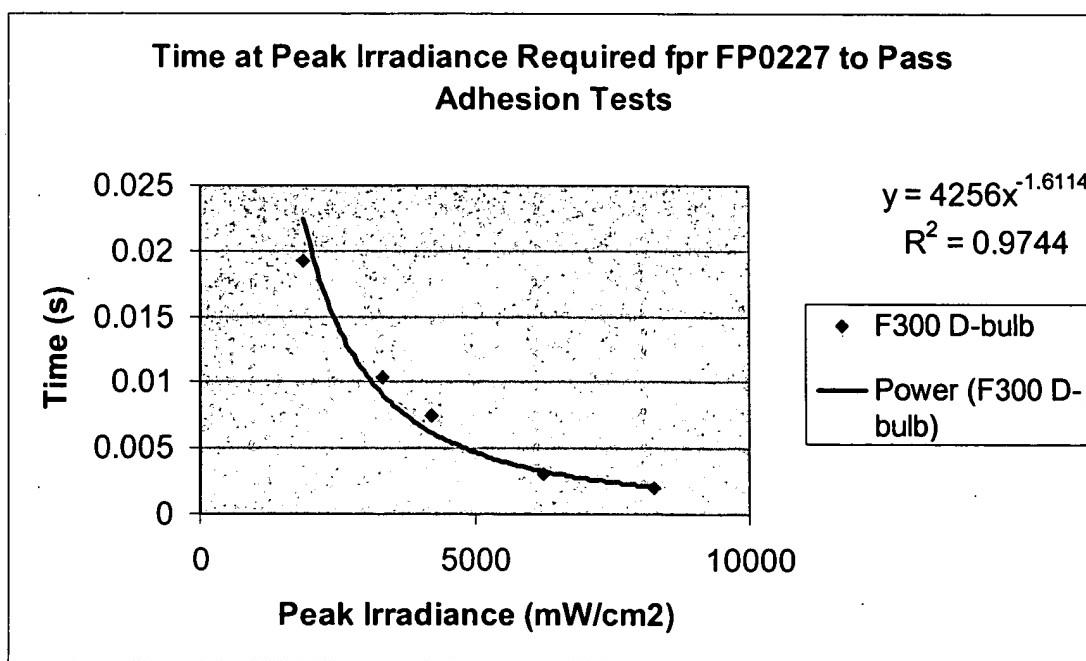


Fig. 4

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RADIATION-CURABLE INKS
 Richard C. Woudenberg
 06155-089001

Peak Irradiance	Lamp diameter: 9mm (0.36 inches)			Lamp diameter: 11mm (0.43 inches)			Lamp diameter: 22mm (0.88 inches)		
	ips	spm	m/s	ips	spm	m/s	ips	spm	m/s
900.00	2.4	12.2	0.06	2.9	14.6	0.07	6.0	29.8	0.15
1800.00	7.4	37.2	0.19	8.9	44.5	0.23	18.2	91.0	0.46
2000.00	8.8	44.1	0.22	10.5	52.7	0.27	21.6	107.8	0.55
2500.00	12.6	63.2	0.32	15.1	75.5	0.38	30.9	154.5	0.78
3000.00	17.0	84.8	0.43	20.3	101.3	0.51	41.4	207.2	1.05
3500.00	21.7	108.7	0.55	26.0	129.8	0.66	53.1	265.7	1.35
4000.00	27.0	134.8	0.68	32.2	161.0	0.82	65.9	329.4	1.67
4500.00	32.6	162.9	0.83	38.9	194.6	0.99	79.7	398.3	2.02
5000.00	38.6	193.1	0.98	46.1	230.6	1.17	94.4	472.0	2.40
5500.00	45.0	225.1	1.14	53.8	268.9	1.37	110.1	550.4	2.80
6000.00	51.8	259.0	1.32	61.9	309.4	1.57	126.6	633.2	3.22
6500.00	58.9	294.7	1.50	70.4	352.0	1.79	144.1	720.4	3.66
7000.00	66.4	332.1	1.69	79.3	396.6	2.02	162.3	811.7	4.12
7500.00	74.2	371.1	1.89	88.7	443.3	2.25	181.4	907.2	4.61
8000.00	82.4	411.8	2.09	98.4	491.9	2.50	201.3	1006.6	5.11
8500.00	90.8	454.1	2.31	108.5	542.3	2.76	222.0	1109.9	5.64
9000.00	99.6	497.9	2.53	118.9	594.7	3.02	243.4	1217.0	6.18
9500.00	108.6	543.2	2.76	129.8	648.8	3.30	265.6	1327.8	6.75
10000.00	118.0	590.0	3.00	140.9	704.7	3.58	288.4	1442.2	7.33
10500.00	127.6	638.2	3.24	152.5	762.3	3.87	312.0	1560.1	7.93
11000.00	137.6	687.9	3.50	164.3	821.7	4.18	336.3	1681.6	8.54
11500.00	147.8	739.0	3.76	176.5	882.7	4.49	361.3	1806.5	9.18
12000.00	158.3	791.5	4.02	189.1	945.4	4.80	386.9	1934.7	9.83
12500.00	169.1	845.3	4.30	201.9	1009.6	5.13	413.2	2066.2	10.50
13000.00	180.1	900.4	4.58	215.1	1075.5	5.46	440.2	2201.0	11.18
13500.00	191.4	956.9	4.86	228.6	1142.9	5.81	467.8	2339.1	11.89
14000.00	202.9	1014.6	5.16	242.4	1211.9	6.16	496.0	2480.2	12.60
14500.00	214.7	1073.7	5.46	256.5	1282.4	6.52	524.9	2624.5	13.34
15000.00	226.8	1134.0	5.76	270.89	1354.44	6.88	554.4	2771.9	14.08

Fig. 5